ROHIT YADAV

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EDUCATION

B. Tech Chemical Engineering(Major) Data Analytics(Minor)	2023	Delhi Technological University (DTU)	8.46 CGPA
AISSCE/CBSE (Class XII)	2019	Shiv Vani Model Sr. Sec. School, New Delhi	76.80 %
AISSE/CBSE (Class X)	2017	Shiv Vani Model Sr. Sec. School, New Delhi	9.8 CGPA

EXPERIENCE

Data Science Intern, Economic Offences Wing Delhi Police, New Delhi   **May 2022 - July 2022**
- Identified criminal activity hotspots using ML to aid in effective utilization of police patrolling in areas with high crime rates.
- Modeled the problem as imbalanced classification and employed **7 supervised ML algorithms** including **Logistic Regression**, **Naive Bayes**, **KNN**, etc. **GBT** was found to be the best performer after evaluating the models' performances.

Analytics Research Intern, IIM Shillong, Shillong   **Nov 2021 - Dec 2021**
- Worked on Management Research Work regarding **Digital Transformation** of Indian Kirana Shops.
- Learned and implemented different research methods namely primary data collection, surveying, data analysis of primary data, **hypothesis testing**, and **Structure Equation Modelling**. Became proficient in **SPSS** and **SPSS AMOS**.
- Constructed **SEM Model** with 7 Constructs having an explanatory power of **83%** in SPSS AMOS.

Data Science & Business Analytics Intern, The Sparks Foundation, Remote   **Aug 2021 - Sep 2021**
- **Examined** the Indian Premier League dataset with more than **10 years'** worth of data.
- Conducted Data Preprocessing, cleaning, and Analyzed & Visualized key insights using **Matplotlib** & **Seaborn**.
- Discovered most thriving teams, players, and factors influencing a team's win or loss. Reported results and findings such as teams or players a company should endorse through **Tableau** dashboard.

ACADEMIC PROJECTS AND CERTIFICATIONS

Manga Recommender System Web App using Streamlit
- Developed a Manga(Japanese Comic) Recommender System based on **collaborative filtering** to find similarities across manga.
- Scrapped data using **Jikan API**, performed EDA & Data modeling (with **precision- 90%**), and created a Web App using **Streamlit**.
- Libraries & Frameworks used: **Requests**, **NumPy**, **Streamlit**, **Surprise**

Cyberbullying Detection using Machine Learning
- Explored methods to detect hate speech in social media applying **ML** and **NLP**.
- Performed Data Cleaning, Preprocessing (**Word Tokenization**, **Stemming**, **TF-IDF**), & Resampling. For supervised learning, 3 different models were used and as Ensemble methods, used **AdaBoost** and **Random Forest Classifier**(with accuracy – 92%).

E-Commerce Website Analysis using MySQL
- Analyzed website/product performance using **Trend Analysis** and **Conversion Funnel Analysis** on E-commerce website DB.
- Identified key user behavior patterns to develop optimum strategies and reduce wasted spend by **10%**.

Machine Learning Specialization(Stanford Online), Python Data Structures | Coursera
Introduction to Data Science in Python, Intermediate Python, Tableau Fundamentals | DataCamp

POSITIONS OF RESPONSIBILITY

Co-Founder & General Secretary, Cubix, The Cubing Society of DTU   **2020 - Present**
- **Headed** a team of **100+** members in order to ensure smooth functioning of the Society.
- Organized PB Smashathon 2019 in DTU with **210+ participants** from all over India and Germany.

Joint Treasurer, Indian Institute of Chemical Engineers (IIChE) DTU Chapter   **2021 - Present**
- Handled **finances, prepared the budget,** and **monitored** all expenses undertaken by the society, worth over **INR 2 lakhs**.
- Conceptualized and administered **5+** workshops, various group discussions, and career talks for **150+** members.

Head (Creative), Yuvaan, Literature & Film Fest, DTU   **2020 - Present**
- Played a key part in Raising sponsorship of **INR 275,000+** from multiple sponsors for budgeting of the fest.
- Led a team of **200+** members & Organised a 3-days fest with a footfall of around **80k+ people**.

ACADEMIC AND EXTRA-CURRICULAR ACHIEVEMENTS

- Data Analytics Consulting Virtual Intern at **KPMG**.
- Secured **2nd position** in Cricket at ARENA, Annual Inter Branch Sports Meet, DTU. (2020)
- Volunteered at **SULABH International** for a variety of community events.
- Secured **AIR 100** in the PBISE Examination Conducted by BITS Pilani, Dubai Campus.

SKILLS

Languages: C/C++, Python
Tools: Pandas, NumPy, Seaborn, Matplotlib, Scikit-learn, NLTK, Streamlit, MySQL, Advanced Excel, PowerPoint, SPSS, Tableau